

PCT/NZ03/00178 #2

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CERTIFICATE

This certificate is issued in support of an application for Patent registration in a country outside New Zealand pursuant to the Patents Act 1953 and the Regulations thereunder.

I hereby certify that annexed is a true copy of the Provisional Specification as filed on 13 August 2002 with an application for Letters Patent number 520739 made by WARENA JOSEPH SADLIER.

Dated 9 September 2003..

Neville Harris

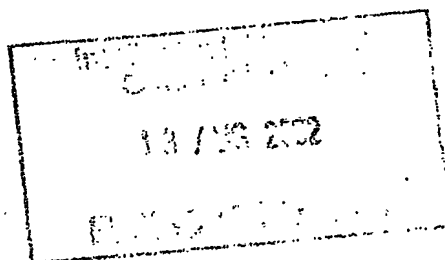
Neville Harris
Commissioner of Patents, Trade Marks and
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520739



Patents Form No. 4

Our Ref: RL802473

Patents Act 1953

PROVISIONAL SPECIFICATION

Tile Spider

I, **WARENA JOSEPH SADLIER**, a citizen of New Zealand, of 76 Fairway Drive, Shirley, Christchurch New Zealand do hereby declare this invention to be described in the following statement:

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The invention relates to a tool for use in the tile industry and particularly to a tool for assisting in the laying of tiles and a method involved in the laying of floor tiles using the tool.

At present the laying of tiles can be a back breaking exercise particularly when tiles are laid on the floor.

An object of the invention is to provide a method of laying tiles and a tool for use in the method which makes a tiler's job easier and creates less fatigue and will therefore reduce back and neck complaints at the same time as offering a useful alternative choice.

According to the invention there is provided a tool for use in a method of laying floor tiles, the tool including a raised hand or foot grip or step region mounted on a plurality of legs splayed outwardly and downwardly relative to the hand or foot grip or step region to thereby form a hand or foot rest raised to a working height above a floor or the like surface on which the legs are resting.

The grip or step region can be raised about 100mm above the level of the bottom of the legs.

The grip or step region may be raised on three, four or more legs.

According to a second aspect of the invention the tool as hereinbefore described

can be placed in laid adhesive on an area to be tiled so a tiler can walk, stand or rest his or her hand or foot on the grip or step region to therefore make the tiler's task easier.

5 In use a tiler can step in and over laid tiles and/or adhesive by using the tile spider tool to effect more work while supporting themselves by hand. This tool keeps the tiler's shoulders in a more even plane rather than bending forward thereby creating less body stress.

10 The added height enables the tiler to extend his/her work area.

Better weight distribution of the tiler is managed while maximising extension into a work area.

15 The use of the tool allows a tiler to step into and lay tiles on an area prepared with adhesive.

The support area used by the tiler is not restricted to being placed on a dry tile or adhesive free area and this allows a tradesman to achieve a more comfortable
20 working position. It allows a tiler to extend into tight areas.

The tool can be used as an island platform to work from into otherwise unreachable prepared areas. Use of more than one tile spider allows a tiler to walk into a prepared area and allows the tiler to maintain a straight back and even
25 shoulders while extending into and over a work area.

Further advantages of the invention will become apparent from the following descriptions.

5 A particular example of the invention will be described with reference to the accompanying drawings in which:

Figure 1 shows a series of different situations with a tile spider in use;

Figure 2 shows a plan view of the spider;

Figure 3 shows an elevation of the spider;

10 Figure 4 shows an end elevation of the spider; and

Figure 5 shows a perspective view of the spider.

An example of the invention and its use will now be described.

15 In Figures 2 to 5 is shown an example of tile spider according to the invention. In the example the tile spider has a raised hand or foot grip or step region 1 mounted on a plurality of legs 2 splayed outwardly and downwardly relative to the hand or foot grip or step region 1 to thereby form a hand or foot rest raised to a working height above a floor or the like surface on which the legs are resting.

20 In the example the grip or step region 1 is constructed from a short length of box or rectangular section steel. The ends 4 of the grip or step region 1 may be fixed to legs 2 each pair of which is constructed in the form of inverted U or V- shaped legs formed from an appropriate length of pipe or tube. The legs 2 are maintained
25 in their splayed apart orientation shown in Figure 5 by transverse members 5.

The grip or step region 2 can be raised about 100mm above the level of the bottom of the legs.

5 Advantages of the invention are improved productivity and an increase in the area over which the tiler can reach particularly over areas prepared with adhesive.

A particular example of the invention has been described and it is envisaged that improvements and modifications can take place without departing from the scope
10 thereof.

WARENA JOSEPH SADLIER



By his Attorneys

BALDWIN SHELSTON WATERS

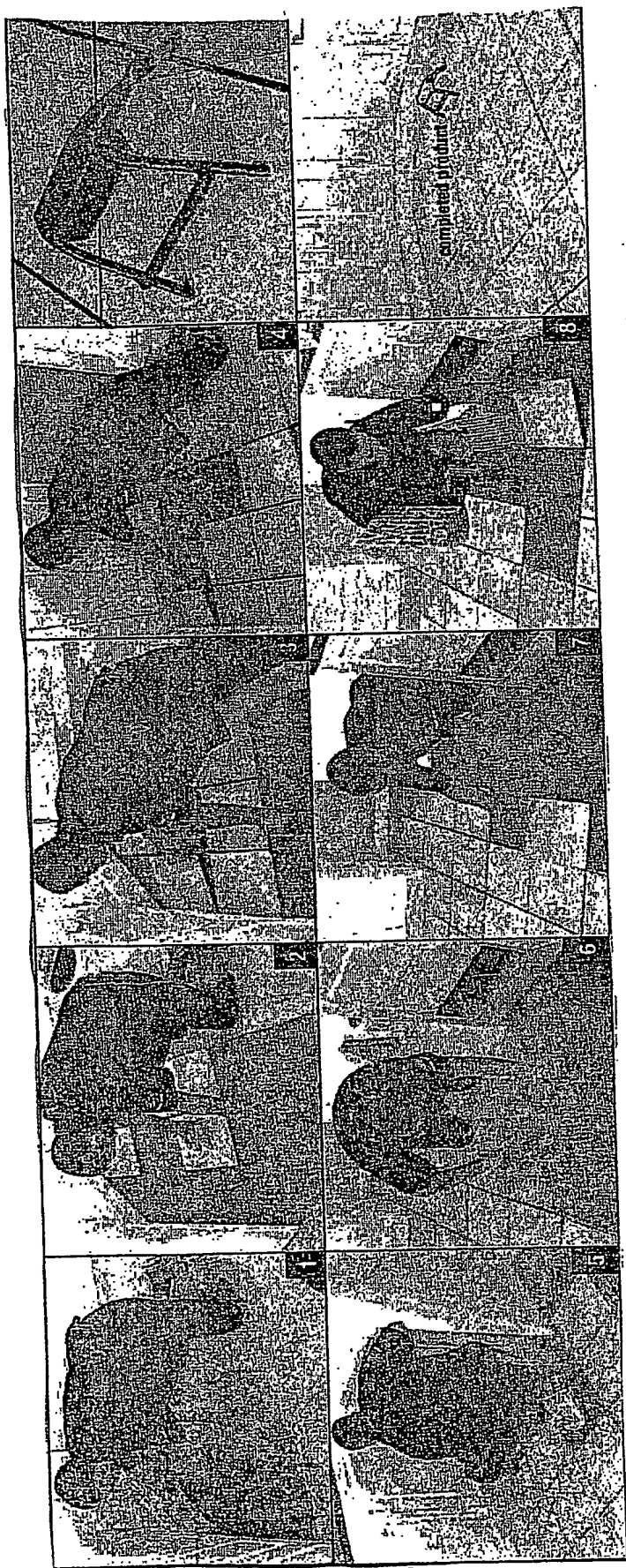


Figure 1

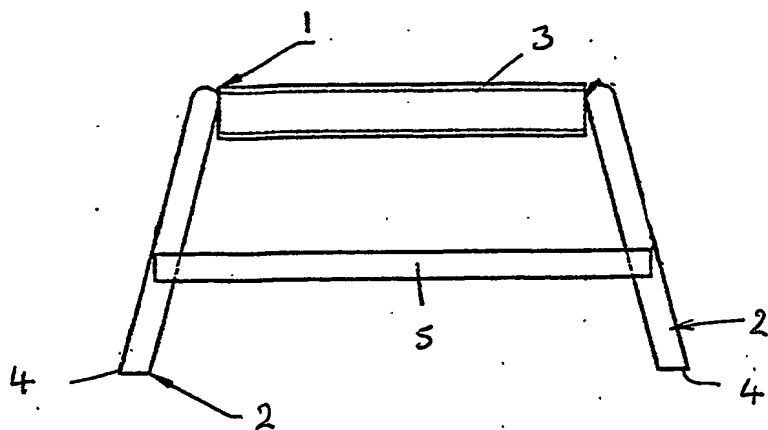


FIGURE 3

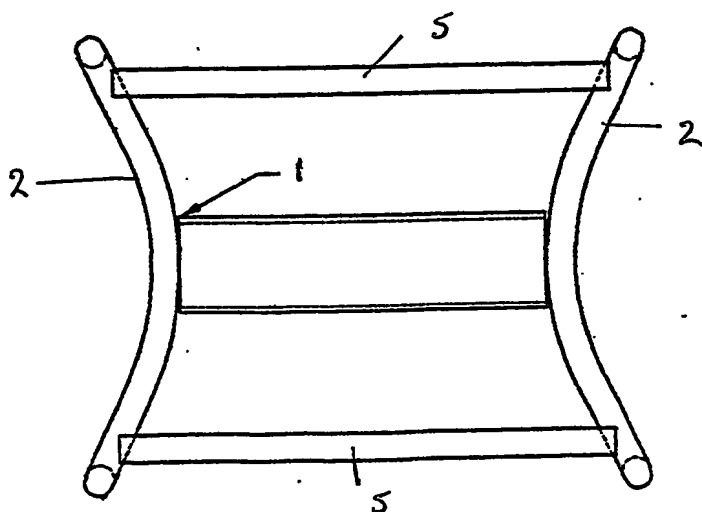


FIGURE 2

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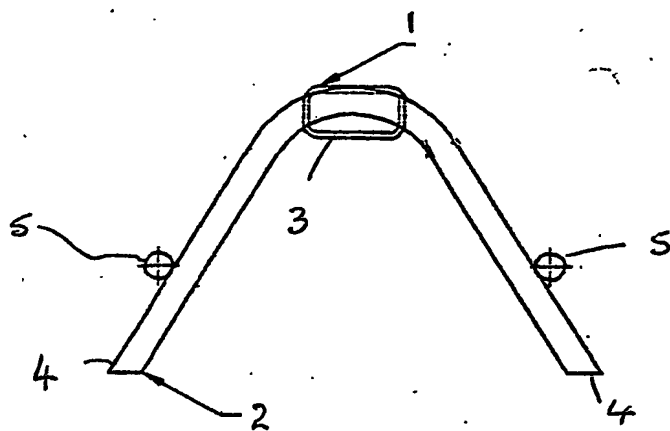


FIGURE 4

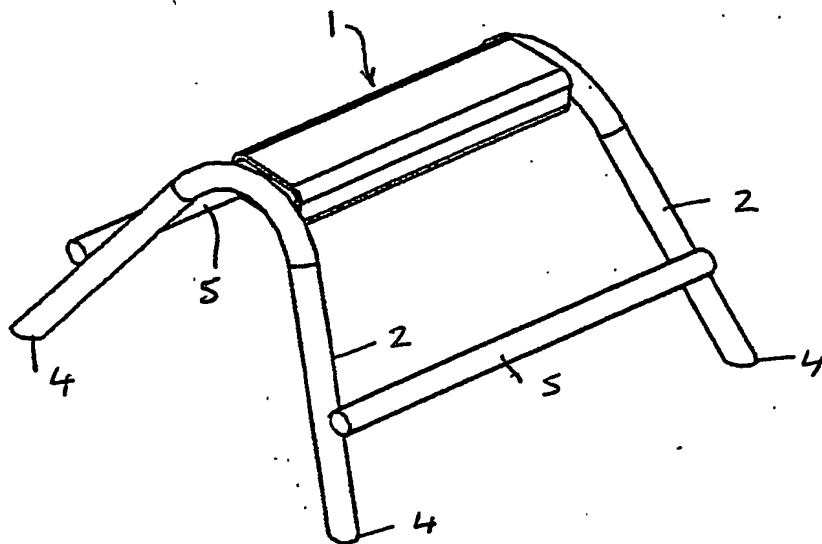


FIGURE 5